

OFFICIAL



Australian Government

**Department of Climate Change, Energy,
the Environment and Water**

Variation of conditions attached to approval

Haughton Pipeline Stage 2 Project, Mulgrave, Queensland (EPBC 2021/9133)

This decision to vary conditions of approval is made under section 143(1)(a) of the *Environment Protection and Biodiversity Conservation Act 1999* (EPBC Act).

Approved action

approval holder	Townsville City Council
	ABN: 44 741 992 072
approved action	To construct and operate a buried pressure pipeline, approximately 28.5 km long, and associated infrastructure to provide transfer of about 364 ML/day of raw water from Burdekin River to the Ross River Dam in Townsville, Queensland [see EPBC Act referral 2021/9133].
Period for which the approval has effect	This approval has effect until 31 December 2051

Variation

variation of conditions attached to approval	The variation is: Add conditions 7B, 7C, 7D, 7E, 7F and 7G as specified in the table below.
date of effect	This variation has effect on the date this instrument is signed.

Person authorised to make decision

name and position	Sam Hush Acting Branch Head Compliance and Enforcement
signature	

date of decision	12 March 2025
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Date of decision	Conditions attached to the approval
Part A – Conditions specific to the action	
Original dated 23/02/23	<p>Maximum Clearance Limits</p> <ol style="list-style-type: none"> 1. The approval holder must not clear outside the project area. 2. The approval holder must not clear more than the following: <ol style="list-style-type: none"> a. 96.34 ha of Southern Black-throated Finch habitat. b. 134.2 ha of Koala habitat. c. 92.23 ha of Bare-rumped Sheathtail Bat habitat, comprising no more than: <ol style="list-style-type: none"> i. 43.12 ha of Bare-rumped Sheathtail Bat roosting habitat. ii. 85.54 ha of Bare-rumped Sheathtail Bat foraging habitat.
Original dated 23/02/23	<p>Rehabilitation Requirements</p> <ol style="list-style-type: none"> 3. Within 10 business days of the substantial completion of construction, the approval holder must notify the department in writing that construction is completed. 4. Within 20 business days of the substantial completion of construction, the approval holder must commence implementing the Rehabilitation Management Plan. 5. Within 60 business days following the 1-year anniversary of the date of commencing implementation of the Rehabilitation Management Plan, the approval holder must submit a report to the department which provides evidence that rehabilitation areas have achieved the acceptance criteria. 6. Once acceptance criteria are achieved, the approval holder must ensure acceptance criteria are maintained in all rehabilitation areas for at least 12 months following the date on which the report is submitted to the department in accordance with condition 5.
Original dated 23/02/23	<p>Environmental Offset Requirements</p> <ol style="list-style-type: none"> 7. To compensate for residual significant impacts to protected matters, up to the limits specified in condition 2, the approval holder must commence implementing the Offset Area Management Plan (OAMP) prior to the commencement of the action and continue to implement it for the remainder of the life of the approval. The approval holder must:

Original dated 23/02/23	7A. The approval holder must notify the department in writing of the date of commencing OAMP implementation within 20 business days of the date of commencing OAMP implementation.
As varied on the date this instrument was signed	7B. The approval holder must develop a Weed Management Plan (WMP), that meets the requirements set in the OAMP , commence implementing the WMP by the date this approval is signed and continue to implement the WMP at least until expiry of this approval.
As varied on the date this instrument was signed	7C. The approval holder must develop a Monitoring and Maintenance Schedule (MMS) for revegetation and regeneration, that meets the requirements set out in the OAMP , by the date this approval is signed. Commence implementation of the MMS from 1 May 2025 and continue to implement the MMS at least until the expiry of this approval.
As varied on the date this instrument was signed	7D. The approval holder must complete installation of a permanent water source in the offset area , as specified in the OAMP , by 30 June 2025.
As varied on the date this instrument was signed	7E. The approval holder must develop a Bushfire Management Plan (BMP), that meets the requirements set out in the OAMP . Commence implementing the BMP by 1 July 2025 and continue to implement the BMP at least until the expiry of this approval.
As varied on the date this instrument was signed	7F. The approval holder must conduct baseline pest monitoring in accordance with relevant guidelines to identify the presence and prevalence of feral pests in the offset area and develop, by the date this approval is signed, a Feral Animal Management Program (FAMP), that meets the requirements set out in the OAMP . Commence implementing the FAMP from the date this approval is signed and continue to implement the FAMP at least until the expiry of this approval.
As varied on the date this instrument was signed	7G. The approval holder must submit to the department accurate and complete documentation and monitoring data to demonstrate compliance with conditions 7B, 7C, 7D, 7E and 7F in the next compliance report required under conditions 27 to 30 inclusive of this approval.
	<p>8. If the Southern Black-throated Finch has not been detected within the offset area within three years of the date of commencing OAMP implementation, the approval holder must provide to the department, within 20 business days of the three-year anniversary of the date of commencing OAMP implementation, a report that includes:</p> <ol style="list-style-type: none"> A detailed description of the survey method, timing and effort undertaken to detect the Southern Black-throated Finch in the offset area; An assessment of the likelihood of the Southern Black-throated Finch being present in the offset area, including an analysis of the likely cause(s) for the failure to detect Southern Black-throated Finch in the offset area; and

	<p>c. The additional actions the approval holder proposes to undertake to increase the likelihood of detecting Southern Black-throated Finch in the offset area.</p> <p>9. Within 60 business days following each 5-year anniversary of the date of commencing OAMP implementation, until the expiry of this approval, the approval holder must submit to the department and publish on the website for the remainder of the period of the approval, an OAMP Report which assesses progress towards achieving and maintaining each of the completion criteria. If the Southern Black-throated Finch has not been detected within the offset area within five years of the date of commencing OAMP implementation the approval holder must inform the department of this in writing before or when submitting the OAMP Report and note the requirements of conditions 8 and 10. The report must:</p> <ul style="list-style-type: none"> a. detail performance achieved against all interim performance targets in the period since this approval decision with more detail in respect of the period since the previous (if any) OAMP Report; b. describe the results and effectiveness of all management actions implemented during the period the subject of the current OAMP Report; c. include all monitoring results, including all confirmed sightings of protected matters in a format consistent with the Guidelines for biological survey and mapped data; and d. detail any interim performance targets not met and describe all corrective actions taken and evaluate their effectiveness. <p>Once the completion criteria are achieved, the approval holder must ensure the completion criteria for the offset area are maintained for the remainder of the life of the approval.</p> <p>10. If the Southern Black-throated Finch has not been detected within the offset area within five years of the date of commencing OAMP implementation and, after the receipt of the first OAMP Report, the Minister writes to the approval holder stating that he/she considers that the OAMP is not likely to achieve the confirmed presence of Southern Black-throated Finch within the offset area, the approval holder must, within 6 months of receiving the Minister's notice, submit to the department for the Minister's approval an Alternative OAMP. The Alternative OAMP must meet the requirements of the Environmental Offsets Policy and the Environmental Management Plan Guidelines to the satisfaction of the Minister.</p> <p>11. Within 60 business days following the 20-year anniversary of the date of commencing OAMP implementation, the approval holder must submit a report to the department which provides evidence that the entire offset area has fully achieved and maintained the completion criteria. If any completion criterion has not been achieved within 20 years from the date of the OAMP implementation, the approval holder must provide, within 6 months, additional environmental offsets approved by the Minister in writing consistent with the Environmental Offsets Policy.</p>
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Original dated 23/02/23	<p>Legal Securing of Environmental Offsets</p> <p>12. The approval holder must legally secure the offset area within 12 months from the date of the commencement of the action. The OAMP must be attached to the legal mechanism used to legally secure the offset area.</p> <p>13. The approval holder must provide written evidence to the department within 10 business days of the offset area being legally secured.</p> <p>14. The approval holder must ensure the offset area, once legally secured, continues to be legally secured for, at least, the remainder of the life of the approval.</p>
Original dated 23/02/23	<p>Revision of Action Management Plans</p> <p>15. The approval holder may, at any time, apply to the Minister for a variation to plan approved by the Minister by submitting an application in accordance with the requirements of section 143A of the EPBC Act. If the Minister approves a revised plan then, from the date specified, the approval holder must implement the revised plan in place of the previous plan.</p>
Original dated 23/02/23	<p>Submission and Publication of Plans</p> <p>16. Unless otherwise agreed to in writing by the Minister, the approval holder must publish each plan on the website within 15 business days of the date:</p> <ol style="list-style-type: none"> of this approval, if the version of the plan to be implemented is specified in these conditions; or the plan is approved by the Minister in writing, if the plan requires the approval of the Minister. by which the approval holder must develop a plan or 'schedule', if condition 7 specifies a date by which a plan or 'schedule' must be prepared <p>17. The approval holder must keep all published plans required by these conditions on the website until, at least, the expiry date of this approval.</p> <p>18. The approval holder is required to exclude or redact sensitive ecological data from plans published on the website or otherwise provided to a member of the public.</p> <p>19. If sensitive ecological data is excluded or redacted from a plan in accordance with condition 18, the approval holder must notify the department in writing what exclusions and redactions have been made in the version published on the website.</p>
<p>Part B – Administrative Conditions</p>	
Original dated 23/02/23	<p>Notification of Date of Commencement of the Action</p> <p>20. The approval holder must notify the department electronically of the date of commencement of the Action, within 10 business days of commencement of the Action.</p>

	<p>21. If the commencement of the Action does not occur within 5 years from the date of this approval, then the approval holder must not commence the Action without the prior written agreement of the Minister.</p>
	<p>Compliance Records</p> <p>22. The approval holder must maintain accurate and complete compliance records.</p> <p>23. If the department makes a request in writing, the approval holder must provide electronic copies of compliance records to the department within the timeframe specified in the request.</p> <p>Note: Compliance records may be subject to audit by the department, or by an independent auditor in accordance with section 458 of the EPBC Act, and/or be used to verify compliance with the conditions. Summaries of the results of an audit may be published on the department's website or through the general media.</p> <p>24. The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the <i>Guidelines for biological survey and mapped data</i>, Commonwealth of Australia 2018, or as otherwise specified by the Minister in writing.</p> <p>25. The approval holder must ensure that any monitoring data (including sensitive ecological data), surveys, maps, and other spatial and metadata required under the conditions of this approval are prepared in accordance with the <i>Guide to providing maps and boundary data for EPBC Act projects</i>, Commonwealth of Australia 2021, or as otherwise specified by the Minister in writing.</p> <p>26. The approval holder must submit all monitoring data (including sensitive ecological data), surveys, maps, other spatial and metadata and all species occurrence record data (sightings and evidence of presence) electronically to the department in accordance with the requirements of each plan.</p>
	<p>Annual Compliance Reporting</p> <p>27. The approval holder must prepare a compliance report for each 12-month period from the date of this approval, or as otherwise agreed to in writing by the Minister.</p> <p>28. The approval holder must ensure that each compliance report is consistent with the <i>Annual Compliance Report Guidelines</i>, Commonwealth of Australia 2014.</p> <p>29. The approval holder must ensure that each compliance report includes:</p> <ol style="list-style-type: none"> Accurate and complete details of compliance and any non-compliance with the conditions and the plans, and any incidents. One or more shapefile showing all clearing of any protected matters, and/or their habitat, undertaken within the 12-month period at the end of which that compliance report is prepared. Include all confirmed sightings, injuries, and mortalities of listed threatened species in a format consistent with the <i>Guidelines for biological survey and mapped data</i>

	<p>d. A schedule of all plans in existence in relation to these conditions and accurate and complete details of how each plan is being implemented.</p> <p>30. The approval holder must:</p> <ol style="list-style-type: none"> Publish each compliance report on the website within 60 business days following the end of the 12-month period for which that compliance report is required. Notify the department electronically, within 5 business days of the date of publication that a compliance report has been published on the website. Provide the weblink for the compliance report in the notification to the department. Keep all published compliance reports required by these conditions on the website until the expiry date of this approval. Exclude or redact sensitive ecological data from compliance reports published on the website or otherwise provided to a member of the public. If sensitive ecological data is excluded or redacted from the published version, submit the full compliance report to the department within 5 business days of its publication on the website and notify the department in writing what exclusions and redactions have been made in the version published on the website. <p>Note: Compliance reports may be published on the department's website.</p>
	<p>Reporting Non-compliance</p> <p>31. The approval holder must notify the department electronically, within 2 business days of becoming aware of any incident and/or potential non-compliance and/or actual non-compliance with the conditions or commitments made in a plan.</p> <p>32. The approval holder must specify in the notification:</p> <ol style="list-style-type: none"> Any condition or commitment made in a plan which has been or may have been breached. A short description of the incident and/or potential non-compliance and/or actual non-compliance. The location (including co-ordinates), date, and time of the incident and/or potential non-compliance and/or actual non-compliance. <p>Note: If the exact information cannot be provided, the approval holder must provide the best information available.</p> <p>31. The approval holder must provide to the department in writing, within 12 business days of becoming aware of any incident and/or potential non-compliance and/or actual non-compliance, the details of that incident and/or potential non-compliance and/or actual non-compliance with the conditions or commitments made in a plan. The approval holder must specify:</p> <ol style="list-style-type: none"> Any corrective action or investigation which the approval holder has already taken

	<p>b. The potential impacts of the incident and/or non-compliance</p> <p>c. The method and timing of any corrective action that will be undertaken by the approval holder.</p>								
	<p>Independent Audit</p> <p>34. The approval holder must ensure that an independent audit of compliance with the conditions is conducted for every five-year period following the commencement of the Action until this approval expires, unless otherwise specified in writing by the Minister.</p> <p>35. For each independent audit, the approval holder must:</p> <ol style="list-style-type: none"> Provide the name and qualifications of the nominated independent auditor, the draft audit criteria, and proposed timeframe for submitting the audit report to the department prior to commencing the independent audit. Only commence the independent audit once the nominated independent auditor, audit criteria and timeframe for submitting the audit report have been approved in writing by the department. Submit the audit report to the department for approval within the timeframe specified and approved in writing by the department. Publish each audit report on the website within 15 business days of the date of the department's approval of the audit report. Keep every audit report published on the website until this approval expires. <p>36. Each audit report must report for the five-year period preceding that audit report.</p> <p>37. Each audit report must be completed to the satisfaction of the Minister and be consistent with the <i>Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines</i>, Commonwealth of Australia 2019.</p>								
Part C – Definitions									
	<p>In these conditions any bolded use of a word or term refers to the below definition of that word or term:</p> <p>Acceptance criteria means the environmental outcomes for the rehabilitation areas, specified in the below table, to be achieved through implementation of the Rehabilitation Management Plan.</p> <table border="1"> <thead> <tr> <th>Rehabilitation area</th><th>Acceptance criteria</th></tr> </thead> <tbody> <tr> <td>RE 11.3.25b tubestock revegetation</td><td> <ul style="list-style-type: none"> No presence of restricted invasive weeds Land is vegetated with endemic groundcover exceeding 70% >80% of plantings survived </td></tr> <tr> <td>RE 11.3.35 tubestock revegetation</td><td> <ul style="list-style-type: none"> No presence of restricted invasive weeds </td></tr> <tr> <td>Hydromulch</td><td> <ul style="list-style-type: none"> No presence of restricted invasive weeds </td></tr> </tbody> </table>	Rehabilitation area	Acceptance criteria	RE 11.3.25b tubestock revegetation	<ul style="list-style-type: none"> No presence of restricted invasive weeds Land is vegetated with endemic groundcover exceeding 70% >80% of plantings survived 	RE 11.3.35 tubestock revegetation	<ul style="list-style-type: none"> No presence of restricted invasive weeds 	Hydromulch	<ul style="list-style-type: none"> No presence of restricted invasive weeds
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		<ul style="list-style-type: none"> • Land is vegetated with endemic groundcover exceeding 50%
		<p>Audit report means a written report of compliance and fulfilment of the conditions attached to this approval, objectively evaluated against the audit criteria approved by the department.</p>
		<p>Bare-rumped Sheathtail Bat means the EPBC Act listed threatened species <i>Saccopteryx</i> <i>saccolaimus nudicluniatus</i>.</p>
		<p>Bare-rumped Sheathtail Bat foraging habitat means foraging habitat for the Bare-rumped Sheathtail Bat, identified as all remnant and regrowth regional ecosystems listed in Table 6-5 of the MNES Report.</p>
		<p>Bare-rumped Sheathtail Bat roost tree means any Bare-rumped Sheathtail Bat roosting tree, including any <i>Eucalyptus platyphylla</i> tree bearing any hollow(s) greater than 20 cm in diameter.</p>
		<p>Bare-rumped Sheathtail Bat roosting habitat means any area enclosed within a 200 m radius of any Bare-rumped Sheathtail Bat roost tree.</p>
		<p>Business day means a day that is not a Saturday, a Sunday or a public holiday in the state or territory of the Action.</p>
		<p>Clear, cleared or clearing means the cutting down, felling, thinning, logging, removing, killing, destroying, poisoning, ringbarking, uprooting, or burning of vegetation, but does not include the removal or control of weeds (see <i>Australian weeds strategy 2017 to 2027</i>, Commonwealth of Australia 2017 for further guidance).</p>
		<p>Commence the Action or Commencement of the Action means the date on which the first instance of any activity associated with the Action (including clearing and construction) is undertaken. Commencement of the Action does not include minor physical disturbance necessary to:</p> <ol style="list-style-type: none"> Undertake pre-clearance surveys or monitoring programs. Install signage and /or temporary fencing to prevent unapproved use of the project area. Protect environmental and property assets from fire, weeds, and feral animals, including use of existing surface access tracks. Install temporary site facilities for persons undertaking pre-commencement activities so long as these are located where they have no impact on any protected matter.
		<p>Completion criteria means the environmental outcomes for the offset area, specified in Table 7.5 of the OAMP, to be achieved through implementation of the OAMP, and includes the application of innovative regenerative landscape and restoration practices where appropriate.</p>
		<p>Completion data means an environmental report and spatial data clearly detailing how the conditions of this approval have been met. The department's chosen format for spatial data is a shapefile.</p>
		<p>Completion of the Action means the date on which all activities associated with this approval have permanently ceased and/or been completed.</p>

	<p>Compliance records means all documentation or other material in whatever form required to demonstrate compliance with the conditions of approval in the approval holder's possession, or that are within the approval holder's power to obtain lawfully.</p> <p>Compliance report means a written report of compliance with, and fulfilment of, the conditions attached to the approval.</p> <p>Construction means the erection of a building or structure that is, or is to be, fixed to the ground and wholly or partially fabricated on-site; the alteration, maintenance, repair or demolition of any building or structure; any work which involves breaking of the ground (including pile driving) or bulk earthworks; the laying of pipes and other prefabricated materials in the ground, and any associated excavation work; but excluding the installation of temporary fences and signage.</p> <p>Department means the Australian Government agency responsible for administering the EPBC Act.</p> <p>Environmental Offsets Policy means the <i>Environment Protection and Biodiversity Conservation Act 1999 Environmental Offsets Policy</i>, Commonwealth of Australia 2012.</p> <p>EPBC Act means the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (Cth).</p> <p>Incident means any event which has the potential to, or does, impact on any protected matter.</p> <p>Independent means a person or firm who does not have any individual, financial*, employment* or family affiliation or any conflicting interests with the project, the approval holder or the approval holder's staff, representatives, or associated persons.</p> <p>*Other than for the purpose of undertaking the role for which an independent person is required</p> <p>Independent audit means an audit conducted by an independent and suitably qualified person as detailed in the <i>Environment Protection and Biodiversity Conservation Act 1999 Independent Audit and Audit Report Guidelines</i>, Commonwealth of Australia 2019.</p> <p>Koala means the EPBC Act listed threatened species <i>Phascolarctos cinereus</i> (combined populations of Qld, NSW and the ACT).</p> <p>Koala habitat means habitat for the Koala, including the Regional Ecosystems containing Koala food trees listed in Table 6-1 of the MNES Report.</p> <p>Legally secure or legally secured means to provide ongoing conservation protection on the title of the land, under an enduring protection mechanism, such as a voluntary declaration under the <i>Vegetation Management Act 1999</i> (Qld) or another enduring protection mechanism agreed to in writing by the department, to provide in perpetuity protection for the site against development incompatible with conservation.</p> <p>Minister means the Australian Government Minister administering the EPBC Act, including any delegate thereof.</p> <p>MNES Report means the <i>Haughton Pipeline Stage 2 Project – MNES Report</i>, GHD Pty Ltd 2022.</p> <p>Monitoring data means the data required to be recorded under the conditions of this approval.</p>
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	<p>Offset area means the area represented on the map at <u>Attachment C</u> by the zone enclosed within the red line designated “Proposed Offset Area”.</p> <p>Offset Area Management Plan or OAMP means the <i>Offset Area Management Plan – Haughton Pipeline Stage 2</i>, GHD Pty Ltd 30 January 2023, or as subsequently varied with the approval of the Minister.</p> <p>Plan means any action management plan or strategy that the approval holder is required by these conditions to implement.</p> <p>Project area means the location of the Action, represented on the map at <u>Attachment A</u> by the pink shaded zone enclosed within the pink line designated ‘Project Disturbance Footprint’.</p> <p>Protected matter means a matter protected under a controlling provision in Part 3 of the EPBC Act for which this approval has effect.</p> <p>Regional Ecosystem(s) or REs means a vegetation community in a bioregion that is consistently associated with a particular combination of geology, landform and soil as classified by the Queensland Government under the <i>Vegetation Management Act 1999</i> (Qld).</p> <p>Rehabilitation area(s) mean the areas within the project area to be rehabilitated in accordance with the Rehabilitation Management Plan, represented in <u>Attachment B</u> by the areas shaded with pink, green, or blue cross-hatching and labelled ‘RE 11.3.25b tubestock revegetation’, ‘RE 11.3.35 tubestock revegetation’, and ‘Hydromulch’, respectively.</p> <p>Rehabilitation Management Plan means the <i>Haughton Pipeline Stage 2 Project - Rehabilitation Management Plan</i>, GHD Pty Ltd 21 October 2022, or as subsequently varied with the approval of the Minister.</p> <p>Restricted invasive weed(s) means any of the flora species listed in Schedule 2 of the <i>Biosecurity Act 2014</i> (Qld).</p> <p>Sensitive ecological data means data as defined in the <i>Sensitive Ecological Data – Access and Management Policy V1.0</i>, Commonwealth of Australia 2016.</p> <p>Shapefile means location and attribute information about the Action provided in an Esri shapefile format. Shapefiles must contain ‘.shp’, ‘.shx’, ‘.dbf’ files and a ‘.prj’ file that specifies the projection/geographic coordinate system used. Shapefiles must also include an ‘.xml’ metadata file that describes the shapefile for discovery and identification purposes.</p> <p>Southern Black-throated Finch means the EPBC Act listed threatened species <i>Poephila cincta cincta</i>.</p> <p>Southern Black-throated Finch habitat means habitat for the Southern Black-throated Finch, identified as the Regional Ecosystems listed as amongst those suitable for Southern Black-throated Finch habitat in Table 6-8 of the MNES Report.</p> <p>Suitably qualified person means a person who has professional qualifications, training, skills and/or experience related to the nominated subject matter and can give authoritative independent assessment, advice, and analysis on performance relative to the subject matter using the relevant protocols, standards, methods and/or literature.</p>
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	<p>Website means a set of related web pages located under a single domain name attributed to the approval holder and available to the public.</p>
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ATTACHMENTS

Date of decision	<u>Attachments to the conditions</u>
Original dated 23/02/23	Attachment A – Project Area
Original dated 23/02/23	Attachment B – Rehabilitation Area
Original dated 23/02/23	Attachment C – Offset Area

Attachment A: Project Area



Based on or contains data provided by the State of QLD 2021.
In consideration of the State permitting use of this data you
acknowledge and agree that the State gives no warranty in
relation to the data (including accuracy, reliability,
completeness, currency or suitability) and accepts no liability
(including without limitation, liability in negligence) for any loss,
damage or costs (including consequential damage) relating to
any use of the data. Data must not be used for marketing or be
used in breach of the privacy laws.

Paper Size ISO A3

325

Meters

Map Projection: Transverse Mercator
 Horizontal Datum: GDA 1994
 Grid: GDA 1994 MGA Zone 55

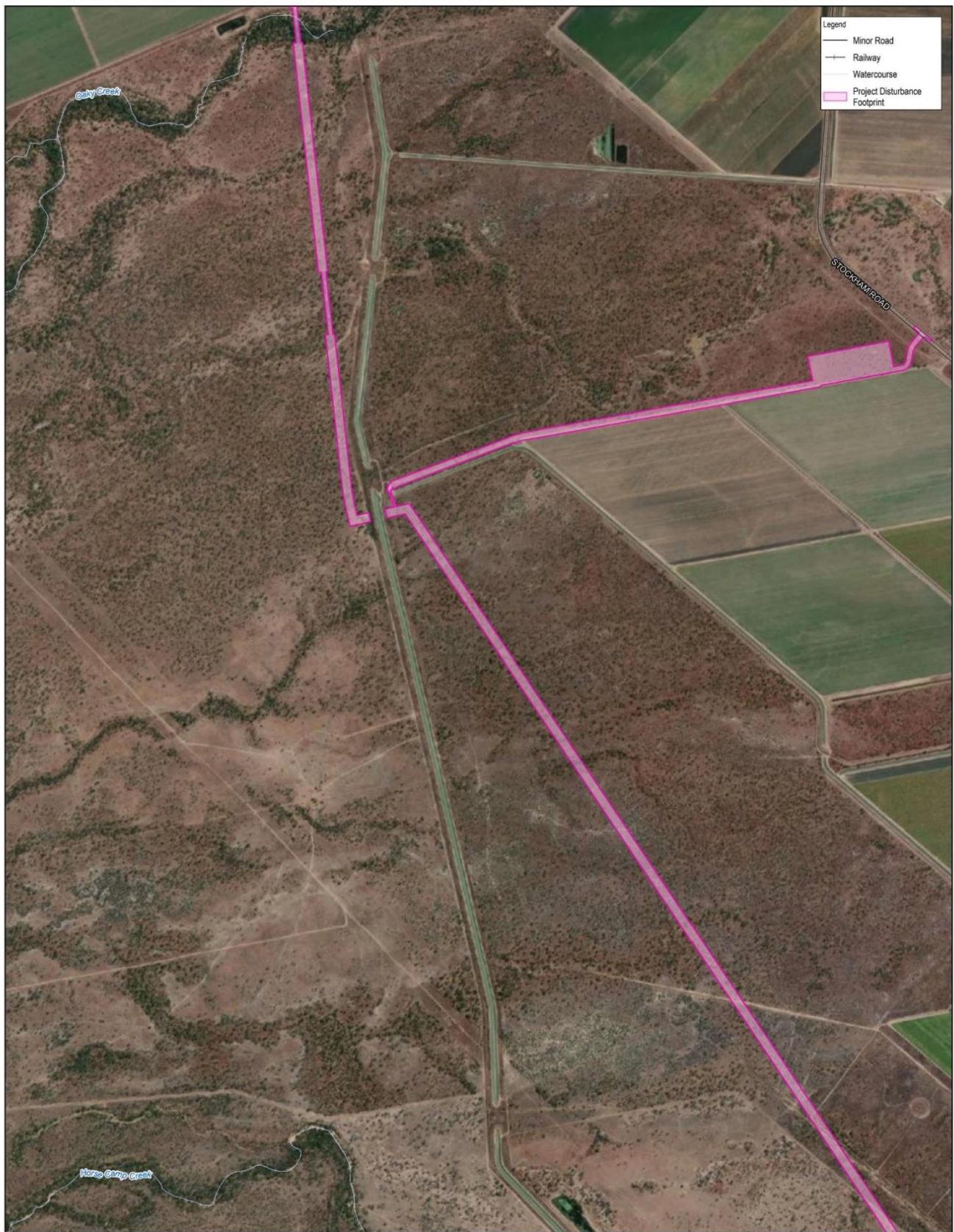


Townsville City Council
Haughton Pipeline Stage 2 - MNES Assessment

Project No. 12537606
Revision No. 1
Date 8/10/2022

HPS2 project disturbance footprint

FIGURE 2-2



Based on or contains data provided by the State of QLD 2021
In consideration of the State permitting use of this data you
acknowledge and agree that the State gives no warranty in
relation to the data (including accuracy, reliability,
completeness, currency or suitability) and accepts no liability
(including consequential liability) for any loss, damage or costs
(including consequential damage) relating to
any use of the data. Data must not be used for marketing or be
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Paper Size ISO A3

0 325 650
Meters



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Townsville City Council
Haughton Pipeline Stage 2 - MNES Assessment

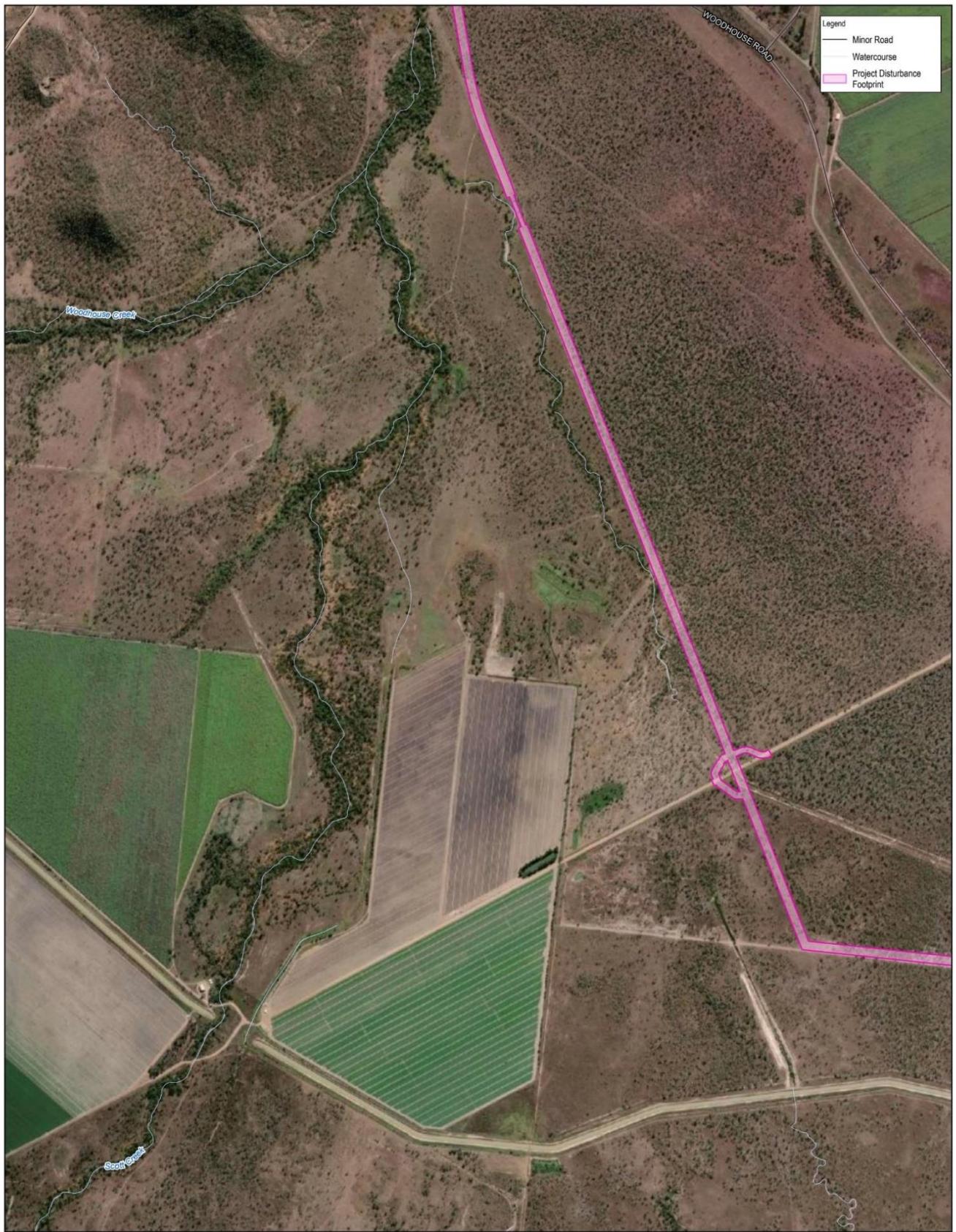
Project No. 12537606
Revision No. 1
Date 8/10/2022

HPS2 project disturbance footprint

Print date: 15 Aug 2022 - 12:16c
Printed by: ghdAU_Townsville\Projects\421237609\G0\Maps\A\90\12537609_12537609_Ecology.aprx\12537609_R_U4_Disturbance\coprintRev1

FIGURE 2-2





Based on or contains data provided by the State of QLD 2021.
In consideration of the State permitting use of this data you
acknowledge and agree that the State gives no warranty in
relation to the data (including accuracy, reliability,
completeness, currency or suitability) and accepts no liability
(including without limitation, liability in negligence) for any loss,
damage or costs (including consequential damage) relating to
any use of the data. Data must not be used for marketing or be
used in breach of the privacy laws.

Paper Size ISO A3

0 325
Meters
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Townsville City Council
Haughton Pipeline Stage 2 - MNES Assessment

Project No. 12537606
Revision No. 1
Date 8/10/2022

HPS2 project disturbance footprint

Data source: DoR Roads, Railway, Watercourses (2021); GHD Site Layout, Regional Ecosystems v12 with Field-verified Edits (2022); World Imagery: Maxar. Created by: shari2

FIGURE 2-2



Based on or contains data provided by the State of QLD 2021.
In consideration of the State permitting use of this data you
acknowledge and agree that the State gives no warranty in
relation to the data (including accuracy, reliability,
completeness, currency, suitability or fitness for purpose) and
accepts no liability (including consequential damage) for any loss,
damage or costs (including consequential damage) relating to
any use of the data. Data must not be used for marketing or be
used in breach of the privacy laws.

Paper Size ISO A3

0 325 650

Meters



Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Townsville City Council
Haughton Pipeline Stage 2 - MNES Assessment

Project No. 12537606
Revision No. 1
Date 8/10/2022

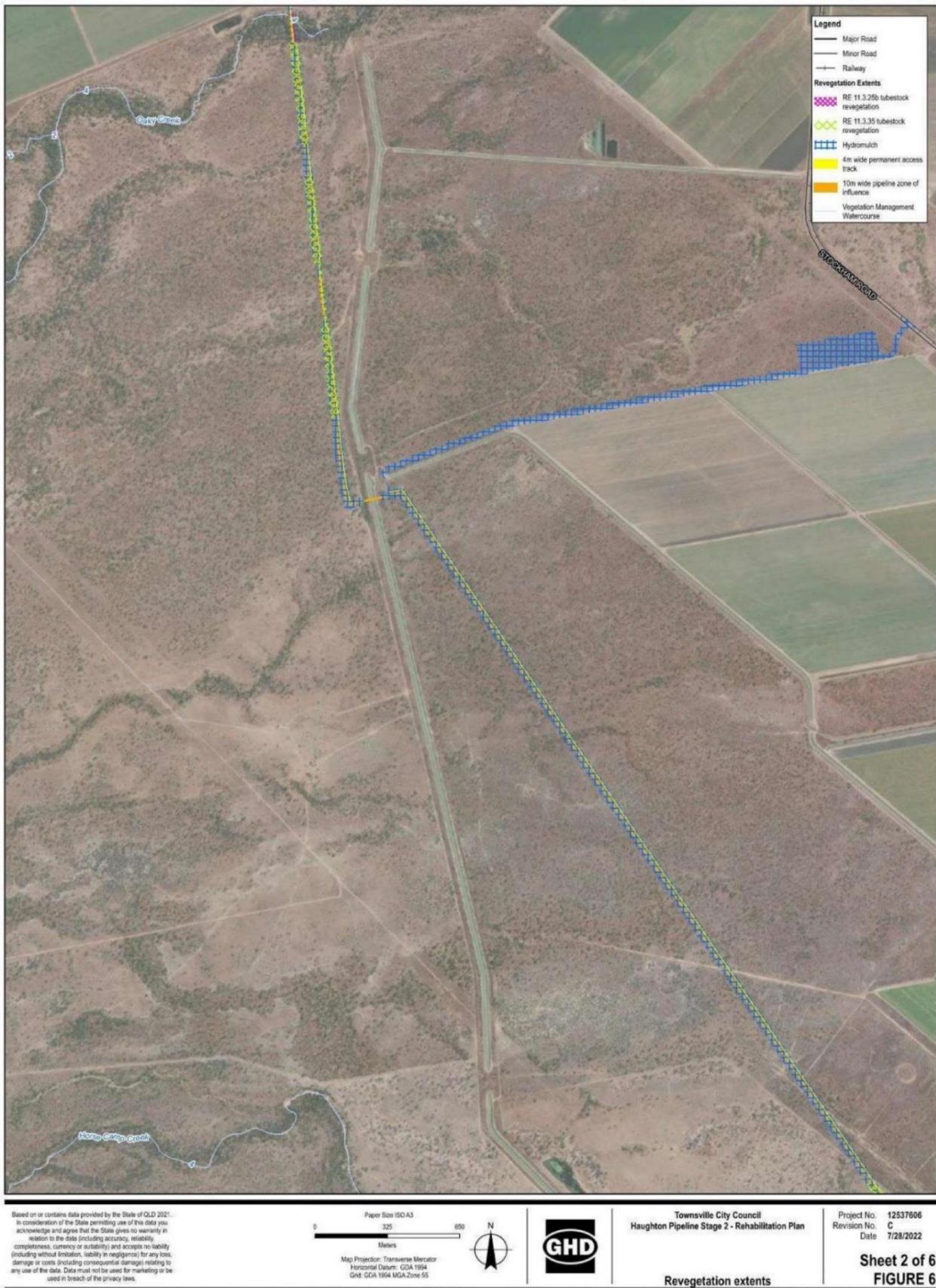
HPS2 project disturbance footprint

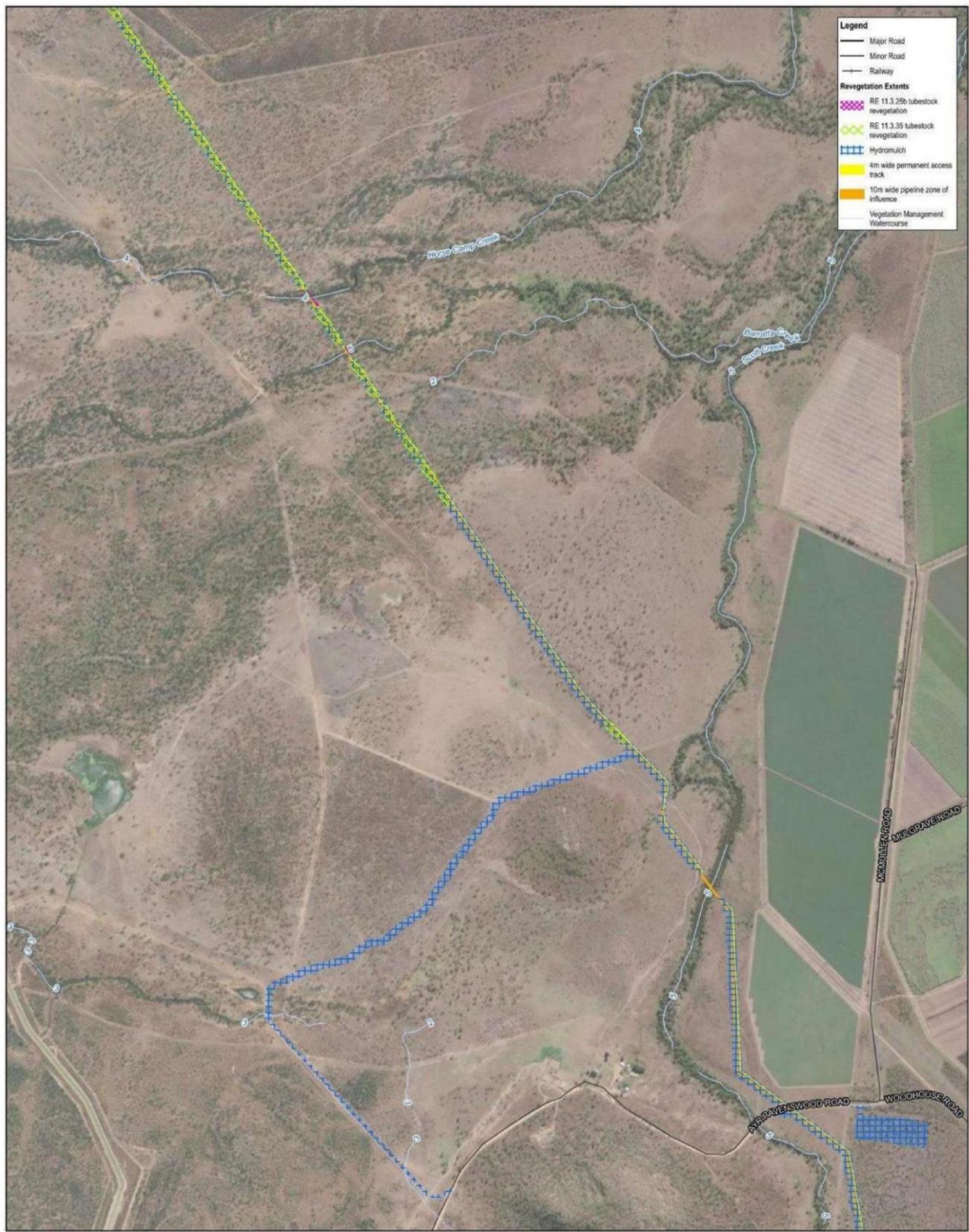
FIGURE 2-2

Map source: DoT Roads, Railway, Watercourses (2021); GHD Site Layout, Regional Ecosystems v12 with Field-reviewed Edits (2022); World Imagery; Maxar
Print date: 15 Aug 2022 - 12:16

Attachment B: Rehabilitation Area







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Paper Size ISO A3

0 325 650

Metres

N

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

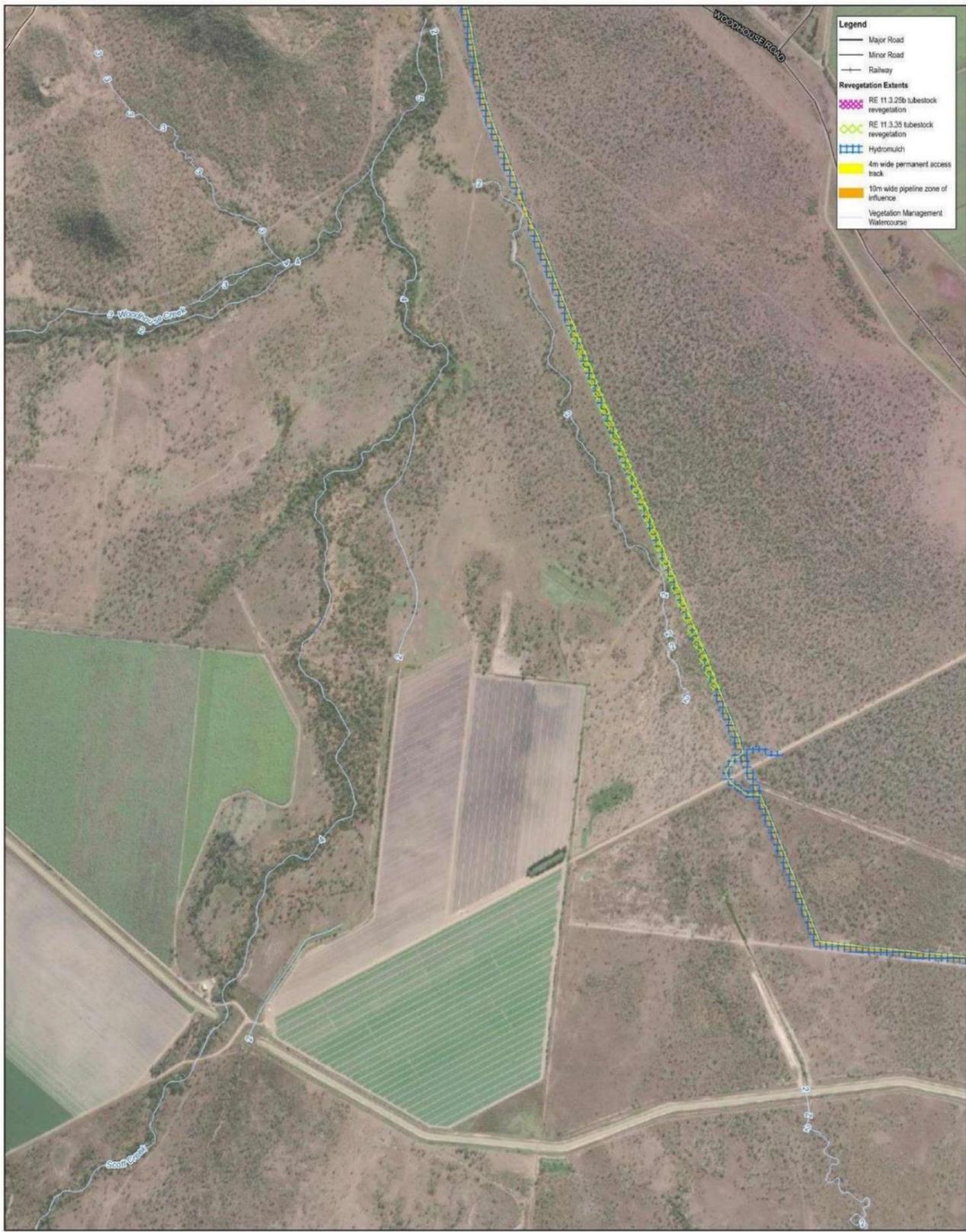


Townsville City Council
Haughton Pipeline Stage 2 - Rehabilitation Plan

Project No. 12537606
Revision No. C
Date 7/28/2022

Sheet 3 of 6
FIGURE 6

Data source: Dots, Roads, Railways, Watercourses (2021), GHD Site Layout, Potential Hatch, Field Report (2022), World Imagery. Base: Created by shad
Print date: 29 Jul 2022 11:40



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Paper Size ISO A3
0 325 Meters
Map Projection: Transverse Mercator
Approximate Columns: 025-1004.



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ation Plan | Project No. 1253760
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Sheet 4 of 6
FIGURE 6



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Paper Size ISO A3
0 325 650
Meters

Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55

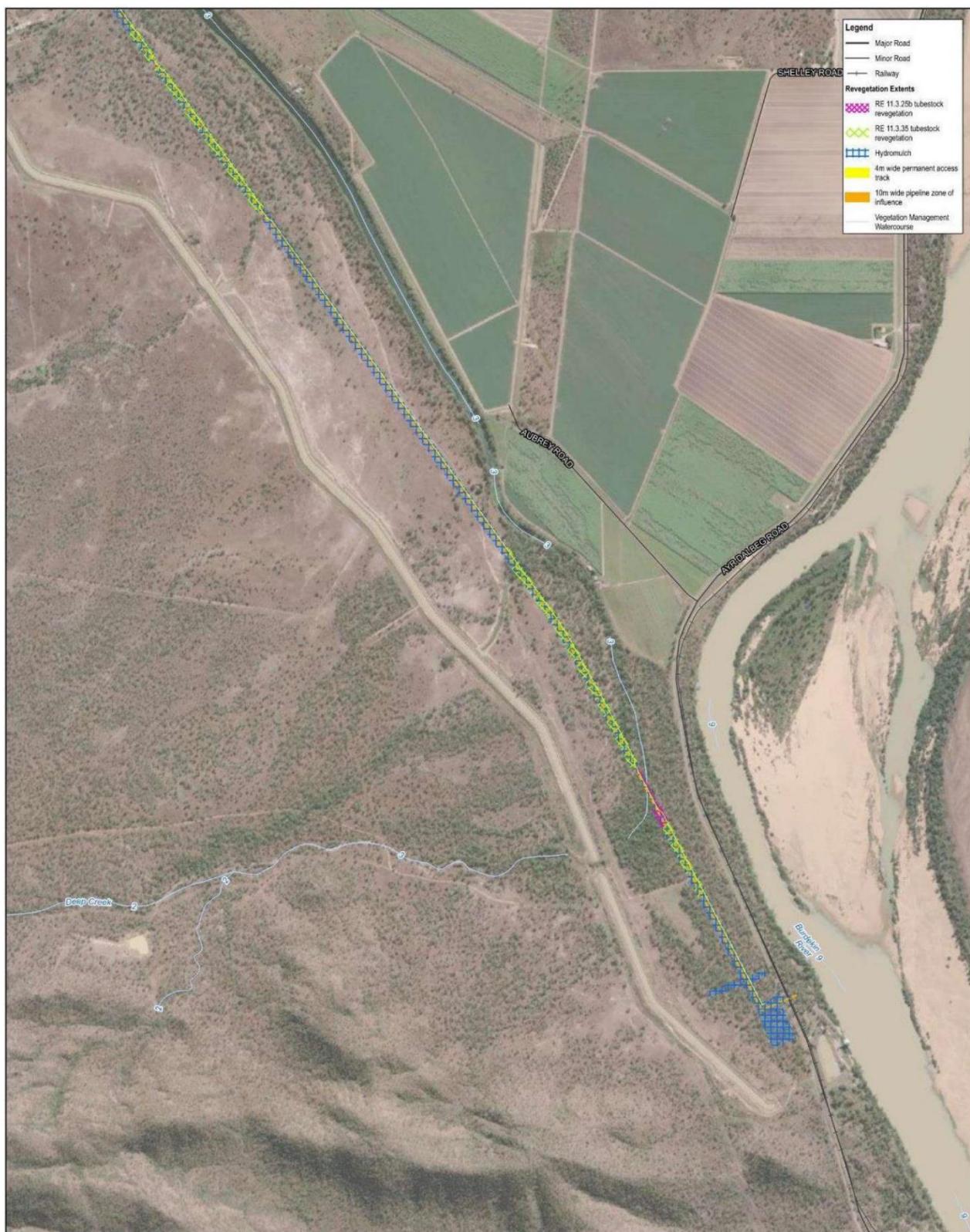


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Project No. 12537606
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Revegetation extents

Sheet 5 of 6
FIGURE 6



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0 325 650
Meters
Paper Size ISO A3
Map Projection: Transverse Mercator
Horizontal Datum: GDA 1994
Grid: GDA 1994 MGA Zone 55



Townsville City Council
Haughton Pipeline Stage 2 - Rehabilitation Plan

Project No. 12537606
Revision No. C
Date 7/28/2022

Sheet 6 of 6
FIGURE 6

Revegetation extents

Lightning Ridge ALT Haughton Pipeline 12537606_C09_Map APP0112537606_12537606_Endmap.aprx 12537606_Route_001_Revegetation_RevC
Print Date: 29 JUL 2022 - 13:40

Attachment C: Offset Area

